

Figure 1 - Dimensions, Model 641

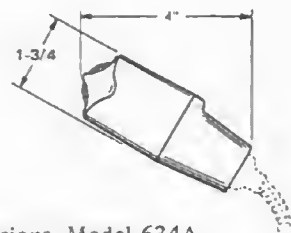


Figure 2 - Dimensions, Model 634A

DESCRIPTION

Unique, modern family of general purpose microphones, models 641 and 634A constitute a fresh, new approach to microphone design. Advanced engineering and production techniques have resulted in a series of microphones exhibiting extended frequency response and high output level combined with attractive styling and extreme ruggedness, and all at very moderate cost. This combination of features makes these microphones ideal for public address, home recording, amateur and commercial communications, paging systems, and electronic teaching aids.

MODEL 641

Designed for conventional stand mounting, the 641 is durably constructed of die-cast zinc and high impact Cyclocac. The fixed-tilt design places the microphone at the most convenient operating angle. A slide on-off switch and 16-foot cable are included. The striking two-tone styling enhances appearance in any application.

MODEL 634A

The Model 634A is similar in design and specifications to Model 641 (above) except it is furnished without fixed-tilt coupler or on-off switch. Standard female 5/8"-27 threads are provided for convenient attachment to standard boom or gooseneck with complete concealment of cable. Designed for desk mounting in electronic teaching aids, communications, and paging systems where an integral switch is not required. Equipped with a 6-foot cable.

SPECIFICATIONS

	641	634A
Generating Element:	Moving coil dynamic	Moving coil dynamic
Frequency Response:	70-10,000 Hz	70-10,000 Hz
Polar Pattern:	Omnidirectional	Omnidirectional
Impedance:	150 ohms or Hi-Z (specify on order)	150 ohms or Hi-Z (specify on order)
Output Level, Hi-Z:	-57 dB (0 dB = 1 volt/dyne/cm ²)	-57 dB (0 dB = 1 volt/dyne/cm ²)
150 ohms:	-57 dB (0 dB = 1 mw/10 dyne/cm ²)	-57 dB (0 dB = 1 mw/10 dyne/cm ²)
Diaphragm:	E-V Acoustalloy®	E-V Acoustalloy®
EIA Sensitivity, Hi-Z:	-153 dB	-153 dB
150 ohms:	-151 dB	-151 dB
Case Material:	Chrome plated die-cast zinc and gray, high impact Cyclocac	Chrome plated die-cast zinc and gray, high impact Cyclocac
Dimensions:	See Figure 1	See Figure 1
Mounting:	5/8"-27 thread	5/8"-27 thread
Switch:	Shorts microphone output in "off" position	None
Cable, Hi-Z:	15' single conductor shielded rubber-jacketed	6' single conductor shielded rubber-jacketed
150 ohms:	15' two-conductor shielded rubber-jacketed	6' two-conductor shielded rubber-jacketed
Optional Accessories:	418, 418S, 418G desk stand	

WARRANTY

Each Electro-Voice microphone is guaranteed for the life of the microphone to be free of factory defects in materials and workmanship and will, at our option, be repaired or replaced at no charge if exhibiting malfunction from this cause. Microphones for warranty repair must be shipped prepaid to Electro-Voice, Inc., or its authorized service agency. They will be returned

prepaid. This warranty does not cover finish or appearance.

For correct shipping address and instructions on return of Electro-Voice products for repair and locations of authorized service agencies, please write: Service Department, Electro-Voice, Inc., 600 Cecil Street, Buchanan, Mich. 49107 (Phone: 616/695-6831).

Electro-Voice also maintains complete facilities for non-warranty service.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL 641

The microphone shall be an Electro-Voice model 641 or equivalent. The microphone shall be a pressure, dynamic type with uniform frequency response from 70 to 10,000 Hz. The diaphragm shall be non-metallic Acoustalloy. The microphone output shall be (specify 150 ohms or Hi) impedance. Output level shall be -57 db with 0 db equalling (specify 1 volt/dyne/cm² at high impedance, or 1 mw/10 dynes/cm² at 150 ohms). EIA sensitivity rating shall be (specify -153 db at high impedance, or -151 db at 150 ohms). The microphone shall include a slide type on-off switch which shorts microphone output in "off" position. The case shall be of high pressure die-cast zinc

with satin chrome finish and gray, high impact Cylolac. A 15-foot single-conductor (two-conductor, if low impedance) shielded synthetic rubber-jacketed cable shall be provided. The microphone shall have a cable connector similar or equivalent to Amphenol MC1M (if low impedance, 80MC2F). The microphone shall include a stand coupler with 5/8"-27 thread and the head shall be tilted at a fixed angle of 60 degrees from vertical.

MODEL 634A

The microphone shall be an Electro-Voice model 634A or equivalent. The microphone shall be a pressure, dynamic type with uniform frequency response from 70 to 10,000 Hz. The diaphragm shall be of non-metallic Acoustalloy. The microphone output shall be (specify 150 ohms or Hi) impedance. Output level shall be -57 db with 0 db equalling (specify 1 volt/dyne/cm² at high impedance, or 1 mw/10 dynes/cm² at 150 ohms). EIA sensitivity rating shall be (specify -153 db at high impedance, or -151 db at 150 ohms). The case shall be of high pressure die-cast zinc with satin chrome finish and gray, high impact Cylolac. A 6-foot single conductor (two-conductor, if low impedance) shielded, synthetic rubber-jacketed cable shall be provided. The microphone shall include 5/8"-27 mounting threads and shall permit complete concealment of cable when mounted.

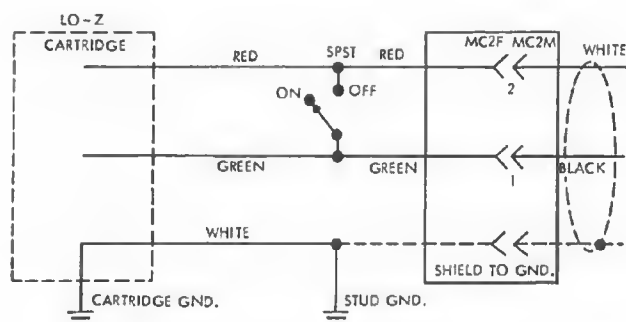


Figure 3A - Wiring Diagram, Model 641, Lo-Z

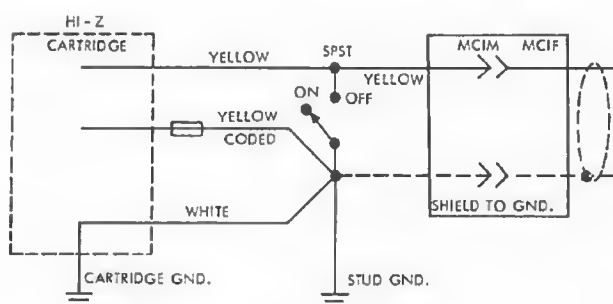


Figure 3B - Wiring Diagram, Model 641, Hi-Z

Model 634A identical but less switch and connectors